

Notice of Allowability

Application No.

10/520,687

Examiner

Scott M. Richey

Applicant(s)

CAPONI ET AL.

Art Unit

2877

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to all communication filed as of September 5, 2007.

2. ☒ The allowed claim(s) is/are 1,3-7,9,10,12 and 13.

3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☒ All b) ☐ Some* c) ☐ None of the:

1. ☒ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____

7. ☐ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____.

DETAILED ACTION

The proposed title, "Method, system and device for measuring the polarisation mode dispersion of an optical fibre" has been changed to: *--Method and apparatus for measuring the polarization mode dispersion of an optical fiber--*.

Allowable Subject Matter

Claims 1, 3-7, 9, 10, 12, and 13 are allowed.

The following is an examiner's statement of reasons for allowance:

As to claim 1, and corresponding dependent claims 3-6 and 13, the prior art of record, taken alone or in combination, fails to disclose or render obvious "determining the polarization mode dispersion of the fiber and associating with the measurement of said information content a probability density function representative of the polarization mode dispersion of the fiber in the form of differential group delay by computing the deconvolution of the one side lobe with the central peak so that the deconvolution corresponds to the probability density of the differential group delay determined by the PMD of the fiber; and outputting the determined polarization mode dispersion," in combination with the rest of the limitations of the claim.

As to claim 7, and corresponding dependent claim 9, the prior art of record, taken alone or in combination, fails to disclose or render obvious "determining the polarization mode dispersion of the fiber and associating with the measurement of said information content a probability density function representative of the polarization mode dispersion of the fiber in the form of differential group delay, and computing the deconvolution of

the one side lobe with the central peak so that the deconvolution corresponds to the probability density of the differential group delay determined by the PMD of the fiber," in combination with the rest of the limitations of the claim.

As to claim 10, and corresponding dependent claim 12, the prior art of record, taken alone or in combination, fails to disclose or render obvious "determining the polarization mode dispersion of the fiber and associating with the measurement of said information content a probability density function representative of the polarization mode dispersion of the fiber in the form of differential group delay, and computing the deconvolution of the one side lobe with the central peak so that the deconvolution corresponds to the probability density of the differential group delay determined by the PMD of the fiber," in combination with the rest of the limitations of the claim.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "**Comments on Statement of Reasons for Allowance.**"


Conclusion

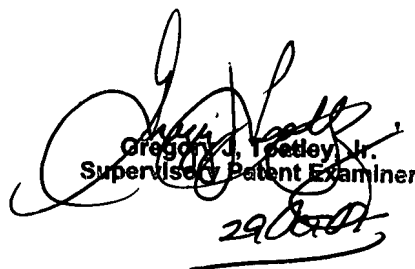
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Scott M. Richey whose telephone number is (571) 270-1296. The examiner can normally be reached on Monday - Thursday, 10:00 - 17:00 EST.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory Toatley can be reached on (571) 272-2059. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


Scott M. Richey
Patent Examiner
Art Unit 2877


Gregory J. Toatley, Jr.
Supervisory Patent Examiner
29 Oct 07